CLAIM AMENDMENTS

Claims 1 through 13 (canceled)

1	 (Currently amended) A method of diagnosing
2	a colorectal carcinoma having at least one HERG potassium channel
3	in a patient suspected of suffering from a colorectal cancer said
4	disease, which comprises the steps of:
5	(a) obtaining from the patient a biopsy of
6	colorectal tissue, lymph nodes or a sample of body fluid or stool,
7	wherein the colorectal tissue, lymph nodes, body fluid, or stool
8	are free of HERG channels in a patient free of colorectal cancer;
9	(b) detecting as a selective tumor marker
10	[[the]] any presence of at least one HERG potassium channel in the
11	biopsy of colorectal tissue, lymph nodes, or in the body fluid or
12	stool; and
13	[[©]]] (c) relating [[the]] detection of any
14	presence of HERG potassium channel in the biopsy or sample to $\underline{\text{the}}$
	presence of HERG potassium channel in the biopsy or sample to $\underline{\text{the}}$ $\underline{\text{diagnosis}}$ in the patient of colorectal carcinoma having at least
15	· · · · · · · · · · · · · · · · · · ·
15	diagnosis in the patient of colorectal carcinoma having at least
15	diagnosis in the patient of colorectal carcinoma having at least
15 16	diagnosis in the patient of colorectal carcinoma having at least one HERG potassium channel.
15 16 1	diagnosis in the patient of colorectal carcinoma having at least one HERG potassium channel. 15. (Currently amended) The method of diag-
15 16 1 2	diagnosis in the patient of colorectal carcinoma having at least one HERG potassium channel. 15. (Currently amended) The method of diagnosing colorectal carcinoma having at least one HERG potassium
15 16 1 2 3	diagnosis in the patient of colorectal carcinoma having at least one HERG potassium channel. 15. (Currently amended) The method of diagnosing colorectal carcinoma having at least one HERG potassium channel in a patient defined in claim 14, wherein according to step
2 3 4	diagnosis in the patient of colorectal carcinoma having at least one HERG potassium channel. 15. (Currently amended) The method of diagnosing colorectal carcinoma having at least one HERG potassium channel in a patient defined in claim 14, wherein according to step (b) any presence of the selective tumor marker is detected by

(currently amended) The method of diagnos-16. 1 ing colorectal carcinoma having at least one HERG potassium channel 2 3 in a patient defined in claim 14, wherein according to steps (b) and [[©)]] (c) any [[the]] presence of HERG potassium channel as a selective tumor marker is detected by isolating cellular RNA from the biopsy, treating the isolated cellular RNA with reverse transcriptase to obtain cDNA, performing reverse transcriptase/polymerase chain reaction analysis on the cloned DNA to amplify the cDNA and to detect in the cDNA, a genetic marker for the HERG potassium channel, and relating [[thel] detection of any presence of the 10 genetic marker for HERG potassium channel to colorectal carcinoma 11 having at least one HERG potassium channel in the patient. 12

1

diagnosing colorectal carcinoma having at least one HERG potassium 2 channel in a patient defined in claim 14, wherein according to 3 steps (b) and [[@]]] (c) any [[thel] presence of HERG potassium channel as a selective tumor marker is detected by staining a section of the biopsy, incubating the section of the biopsy with rabbit anti-ERG1 HERG as a primary HERG antibody, capable of 7 reacting with HERG potassium channel to form a complex, treating the complex with a visual aid to visualize the primary HERG antibody, and detecting a homogeneous brown stain indicating that a 10 reaction occurring between the primary HERG antibody and the HERG 11 potassium channel in the biopsy to form a complex, and relating 12 13 formation of the complex to colorectal carcinoma having at least one HERG potassium channel in the patient. 14

17. (currently amended) The method of detecting

1

22

23

ne1

```
carcinoma having at least one HERG potassium channel in a patient
2
     suspected of suffering from the disease, and in the event that
     colorectal carcinoma having at least one HERG potassium channel is
     diagnosed in the patient, treating the patient for the disease,
     which comprises the steps of:
                          (a) obtaining from the patient a biopsy of
     colorectal tissue, lymph nodes or a sample of body fluid or stool,
     wherein the colorectal tissue, lymph nodes, body fluid, or stool
     are free of HERG channels in a patient free of colorectal cancer;
10
                          (b) detecting as a selective tumor marker any
11
     presence of at least one HERG potassium channel in the biopsy of
12
     colorectal tissue, lymph nodes, or in the body fluid or stool;
13
                          (c) relating detection of any presence of HERG
14
     potassium channel in the biopsy or sample to the diagnosis in the
15
     patient of colorectal carcinoma having at least one HERG potassium
16
     channel, and in the event of detecting the presence of HERG potas-
17
     sium channel in the biopsy or sample;
18
                          (d) administering to said patient, a therapeu-
19
     tically effective amount of 4-[1-{2-(6-methyl-2-pyridinyl)ethyl-4-
20
     piperidinyl}carbonyl]methane-sulfoanilide 2HCl sufficient to treat
21
```

the colorectal carcinoma having at least one HERG potassium chan-

18. (New) A method of diagnosing a colorectal